Name_____ Date_____ Period_____

LESSON 5-5 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiply by a Fraction

Builds on Grade 5 · 5.NF.B.4

TODAY'S LESSON	You will find volume with a fraction edge, like 20 × 16 × 3/4 for a flat box.
YOU NEED TO	Find a fraction of a whole number, like 320 × 3/4. **You will use it in Practice Form A, problems 4, 6, and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide** the whole number by the bottom number.
2. **Multiply** that answer by the top number.
3. **Check**: the answer is less than the whole number.

WATCH ME

the steps in action

Find 320 × 3/4.

Step 1 320 ÷ 4 = 80.

Step 2 80 × 3 = 240.

Step 3 240 is less than 320. It checks.

Answer **240**

TRY IT WITH HELP

fill in each step

1. Find 24 × 3/4.

Step 1 24 ÷ 4 = _____

Step 2 6 × 3 = _____

Step 3 Is 18 less than 24? _____

2. Find 30 × 2/3.

Step 1 30 ÷ 3 = _____

Step 2 10 × 2 = _____

Step 3 Is 20 less than 30? _____

YOUR TURN

use the steps on your own

3. Multiply.

a. 18 × 1/2 = _____ **b.** 40 × 1/4 = _____ **c.** 96 × 3/4 = _____

d. 50 × 3/5 = _____ **e.** 200 × 3/4 = _____ **f.** 180 × 2/3 = _____

Divide Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	You will find a missing edge, like 1,170 ÷ 130 for the planter.
YOU NEED TO	Divide by a 2-digit number, like 672 ÷ 48. **You will use it in Practice Form A, problems 2, 3, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Take away** 10 groups of the divisor.
2. **Take away** more groups from what is left.
3. **Add** up all the groups.

WATCH ME

the steps in action

Find 672 ÷ 48.

Step 1 48 × 10 = 480. 672 − 480 = 192.

Step 2 48 × 4 = 192. Nothing is left.

Step 3 10 + 4 = 14.

Answer **14**

TRY IT WITH HELP

fill in each step

4. Find 336 ÷ 24.

Step 1 24 × 10 = 240. 336 − 240 = _____

Step 2 24 × _____ = 96

Step 3 10 + 4 = _____

5. Find 1,170 ÷ 90.

Step 1 90 × 10 = 900. 1,170 − 900 = _____

Step 2 90 × _____ = 270

Step 3 10 + 3 = _____

YOUR TURN

use the steps on your own

6. Divide.

a. 252 ÷ 14 = _____ **b.** 450 ÷ 18 = _____ **c.** 792 ÷ 66 = _____

d. 936 ÷ 52 = _____ **e.** 1,080 ÷ 72 = _____ **f.** 528 ÷ 44 = _____

READY CHECK

a problem like the one in today's lesson

7. A box holds 960 cm^3. Its base is 12 cm by 8 cm. How tall is it?

A 80 cm **B** 96 cm **C** 10 cm **D** 940 cm

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____